



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D205-634-041
Job Sheet 201224



Part No: D205-634-041

Job Qty: 1 pcs

Part Name: Replacement Skidtube with Standard Wearplates Fits LH or RH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/27/19

Job Tracking No:

Due Date: 10/28/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG D2580 REV H SHEETS 1,2,3,8 IPP Rev:N 02.08.28 FP was QC5 in Step 27; Added QC5 to Step 30 KJ IPP Rev P 10.02.19 per PAR09-043 EC verified by:DD IPP Rev. O 06.02.28 Added paperwork EC IPP Rev:P 07-07-09 SS Wearplates & Gaskets JLM IPP Rev:Q 10.12.01 as per chg003 DD ver:EC IPP REV:R 12.01.23 AS PER ECN11-684 VERF:EC IPP REV:S 17.12.08 REMOVE GASKET AS PER INTUITIVE INFO DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Skidtubes - Bend - 1	1 pcs		10/28/19	0.00	0.65	Skidtubes - Bend		MGA
120	Skidtubes - 2 - B4B	1 pcs		10/28/19	0.00	2.89	Skidtubes - 1 - B4B		MGA
							Skidtubes - 2 - B4B		
							Skidtubes - 3 - B4B		
							Skidtubes - 4 - B4B		
							Skidtubes - 5 - B4B		
							Skidtubes - 6 - B4B		
							Skidtubes - 7 - B4B		
130	QC 5	1 pcs		10/28/19	0.00	0.00	QC 5 - 10		BCE
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
							QC 5 - 40		
							QC 5 - 61		
							QC 5 - 81		



Container No: S227790



Part: D205-634-041

Job No: 201224

Serial No/Batch: S227790

Revision: H

Inspector:

Exp Date:

Instructions: TC STC SH96-88 Issue 3 FAA STC SR005631

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaero.com

140 Skidtubes - 3 - B4B	1 pcs	10/28/19	0.00 3.00	Skidtubes - 1 - B4B	
				Skidtubes - 2 - B4B	
				Skidtubes - 3 - B4B	ML
				Skidtubes - 4 - B4B	
				Skidtubes - 5 - B4B	BE
				Skidtubes - 6 - B4B	
				Skidtubes - 7 - B4B	
150 QC 10	1 pcs	10/28/19	0.00 0.00	QC 10 - 10	
				QC 10 - 18	
				QC 10 - 24	
				QC 10 - 43	
				QC 10 - 50	
				QC 10 - 58	
				QC 10 - 9	
160 QC 5	1 pcs	10/28/19	0.00 0.00	QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	
				QC 5 - 40	
				QC 5 - 61	
				QC 5 - 81	
170 Handfinish - 1-1 Chemical-B4B	1 pcs	10/28/19	0.00 1.31	Handfinish - 1 - 1 - B4B	BEB 19-11-15
				Handfinish - 1 - 2 - B4B	
				Handfinish - 1 - 3 - B4B	
				Handfinish - 1 - 4 - B4B	
				Handfinish - 1 - 5 - B4B	
				Handfinish - 1 - 6 - B4B	
				Handfinish - 1 - 7 - B4B	
				Handfinish - 1 - 8 - B4B	
				Handfinish - 1 - 9 - B4B	
				Handfinish - 1 - 10 - B4B	
				Handfinish - 1 - 11 - B4B	
				Handfinish - 1 - 12 - B4B	
				Handfinish - 1 - 13 - B4B	
				Handfinish - 1 - 14 - B4B	
				Handfinish - 1 - 15 -	

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						B4B	
						Handfinish - 1 - 16 - B4B	
						Handfinish - 1 - 17 - B4B	
						Handfinish - 1 - 18 - B4B	
						Handfinish - 1 - 19 - B4B	
						Handfinish - 1 - 20 - B4B	
						Handfinish - 1 - 21 - B4B	
						Handfinish - 1 - 22 - B4B	
						Powdercoat - 1 - B4B	
						Powdercoat - 2 - B4B	
180	Powdercoat - 1 White GI(A)- B4B	1 pcs	10/28/19	0.00	0.34	Powdercoat - 3 - B4B	
						Powdercoat - 4 - B4B	
190	QC 3	1 pcs	10/28/19	0.00	0.00	QC 3 - 10	
						QC 3 - 13	
						QC 3 - 15	
						QC 3 - 17	
						QC 3 - 18	
						QC 3 - 2	
						QC 3 - 28	
						QC 3 - 3	
						QC 3 - 30	
						QC 3 - 34	
						QC 3 - 36	
						QC 3 - 41	
						QC 3 - 51	
						QC 3 - 58	
						QC 3 - 59	
						QC 3 - 68	
						QC 3 - 9	
						QC 3 - 40	
						QC 3 - 19	
						QC 3 - 43	
						QC 3 - 24	
						QC 3 - 61	
						QC 3 - 81	
200	Handfinish - 4-1-Assembly- B4B	1 pcs	10/28/19	0.00	1.00	Handfinish - 4 - 1 - B4B	
						Handfinish - 4 - 10 - B4B	
						Handfinish - 4 - 11 - B4B	
						Handfinish - 4 - 12 - B4B	
						Handfinish - 4 - 13 - B4B	
						Handfinish - 4 - 14 - B4B	
						Handfinish - 4 - 15 - B4B	
						Handfinish - 4 - 2 - B4B	
						Handfinish - 4 - 3 - B4B	
						Handfinish - 4 - 4 - B4B	

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210 QC 5	1 pcs	10/28/19	0.00 0.00	Handfinish - 4 - 5 - B4B	
				Handfinish - 4 - 6 - B4B	
				Handfinish - 4 - 7 - B4B	
				Handfinish - 4 - 8 - B4B	
				Handfinish - 4 - 9 - B4B	
				QC 5 - 10	
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
				QC 5 - 51	
				QC 5 - 58	
				QC 5 - 68	
				QC 5 - 9	
				QC 5 - 50	
				QC 5 - 30	
				QC 5 - 40	
				QC 5 - 61	
				QC 5 - 81	
220 Packaging 3-1 - Stock - B4B	1 pcs	10/28/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	

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				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
225 DC - 1 - B4B	1	10/28/19	0.00 0.00	DC - 1 - B4B	DAS 21 NOV 20 2019
	pcs			DC - 2 - B4B	
230 QC 21 - FG	1	10/28/19	0.00 0.00	QC 21 - FG - 21	DAS 21 NOV 20 2019
	pcs			QC 21 - FG - 70	
				QC 21 - FG - 53	

Part Op 110 - Skidtubes - 1-Bend as per program D2580.C on CNC Bender and Folio 16 2-Cut tubes as per Dwg. D2580 3- scribe
 Descriptions: batch# in aft end of tube

120 - Skidtubes - 1- Deburr ends and remove bending marks 2- Prepare tube for welding as per QSI 004

130 - QC5- Inspect part completeness to step on W/O

140 - Skidtubes 1-Weld step D2576 as per Dwg. D2580 and QSI 004 2-Grind welds on step as per Dwg D2580 3- Insert D4202-1 spacer, swage as per QSI002 and trim/ grind flush per QSI002 and dwg. Hold x-bolt with DT9701 Use tube expander 1/2 x17G to start expansion and finish with 1/2 x 18G to achieve dwg dimension. 4-Drill holes for wearplates using DT 8217 & DT8937, 7.40" from most fwd saddle holes (ref only) Open holes to 19/64", adjust stopper not to hit web. Deburr 5-Drill pilot holes for aft cap using DT 8215 Open holes to 0.208". Deburr 6-Drill pilot holes for Tow ring using DT8091, open to .640" and Deburr

150 - QC10- Inspect visual per QSI004- ground welds

160 - QC5- Inspect part completeness to step on W/O

170 - Chemical Conversion Coat per QSI005 4.1 - Re-alodine tube as per QSI 005 section 4.1.2.1 do not acid etch and leave fwd cap out of solution.

180 - White Gloss (Ref: 4.3.5.1) per QSI005 4.3-Alum START TIME: 11:10 OVEN TEMPERATURE: 300°

FINISH TIME: 11:40 M 311

190 - QC3- Inspect Part Finish

200 - Assemble as per dwg - 1-Install inserts & wearplates as per Dwg. D2580. Use a drop of Sikaflex on insert holes before installing wearplates A/R Sikaflex-291 520062, Sikaflex expire date: 20-7-22 2-Coat D2594-3 O' rings with Petroleum Jelly and install on D2594-1 plugs as per Dwg D2580 3-Inspect for foreign object per QSI 024 4-Install 2855 Aft Cap as per Dwg D2580 and seal Fwd Step & Aft Cap with Sikaflex. Clean excess adhesive A/R Sikaflex-291 520062, Sikaflex expire date: 20-7-22 5-Wing Walk as per Dwg D2580 and QSI 005 4.4 Batch:

210 - QC5- Inspect part completeness to step on W/O - Inspect Aft Cap, Fwd Step and Wing Walk of work to Current Step Inspect for Foreign objects per QSI 024

220 - Identify and pack for shipping as per PPPD205-634-041 Location: PPP Rev:

225 - Document Control - Photocopy D205-634 bluefile & type labels per PPP D205-634-041 CHG006

230 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2580-1	205 Bent Tube	1 pcs (1 ea)	110-Skidtubes - Bend - 1	5214193
D2576-3	Step (Machining Detail)	1 pcs (1 ea)	140-Skidtubes - 3 - B4B	5177095
D4202-1	Spacer	20 pcs (20 ea)	140-Skidtubes - 3 - B4B	5184047
ALS7-1032-130	Rivnut	50 Ea (50 ea)	200-Handfinish - 4-1-Assembly-B4B	5209194
AN3-5A	Bolt	2 Ea (2 ea)	200-Handfinish - 4-1-Assembly-B4B	5216385
AN3C4A	Bolt 5228822 (x4)	50 Ea (50 ea)	200-Handfinish - 4-1-Assembly-B4B	5228681 (x6)
D2594-1	Plug 5206811 K13	16 pcs (16 ea)	200-Handfinish - 4-1-Assembly-B4B	5229062 (x3)
D2594-3	O-Ring	16 pcs (16 ea)	200-Handfinish - 4-1-Assembly-B4B	5045943
D2855	Cap	1 pcs (1 ea)	200-Handfinish - 4-1-Assembly-B4B	5194524
D3564-11	Wearplate Aft	1 pcs (1 ea)	200-Handfinish - 4-1-Assembly-B4B	5196397
D3564-13	Wearpad Fwd	1 pcs (1 ea)	200-Handfinish - 4-1-Assembly-B4B	5204800
D3564-5	Wearplate Center	1 pcs (1 ea)	200-Handfinish - 4-1-Assembly-B4B	5208675
D3564-9	Wearplate Fwd	1 pcs (1 ea)	200-Handfinish - 4-1-Assembly-B4B	5208809
NAS1149C0332R	Washer (AN960C10L)	50 Ea (50 ea)	200-Handfinish - 4-1-Assembly-B4B	5225629
NAS1149D0332J	Washer	2 Ea (2 ea)	200-Handfinish - 4-1-Assembly-B4B	5178578

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-Skidtubes - Bend - 1	D2580-1	1	11	0
140-Skidtubes - 3 - B4B	D2576-3	1	70	0
	D4202-1	20	700	0
200-Handfinish - 4-1-Assembly-B4B	ALS7-1032-130	50	1,502	0
	AN3-5A	2	272	0
	AN3C4A	50	484	0
	D2594-1	16	59	0
	D2594-3	16	466	0
	D2855	1	78	0
	D3564-11	1	9	0
	D3564-13	1	26	0
	D3564-5	1	19	0
	D3564-9	1	18	0
	NAS1149C0332R	50	2,501	0
	NAS1149D0332J	2	1,766	0
Part Specifications				
Specifications could not be found.				

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ITEM	QTY -041	QTY -045	QTY -447	QTY -449	PART NUMBER	DESCRIPTION
1	X				D2680-041	SKIDTUBE ASSEMBLY
2		X			D2680-045	SKIDTUBE ASSEMBLY
3			X		D2680-047	SKIDTUBE ASSEMBLY
4				X	D2680-049	SKIDTUBE ASSEMBLY
20	1	1	1	1	D2680-1100	EXTRUSION
21			16	16	D2670	BUSHING
22	1	1	1	1	D2676-3	STEP
23			4		D2679	SPACER
24	16	16	6	6	D2684-1	PLUG
25	16	16	6	6	D2684-3	O-RING
26	1	1	1	1	D2688	205 WEB
27	1	1	1	1	D2685	AFT CAP
28	1	1			D2684-5	WEARSHOE
29	1	1			D2684-9	WEARSHOE
30	1	1			D2684-11	WEARSHOE
31	1	1			D2684-13	WEARSHOE
32	20	20	24	24	D4822-1	SPACER
33			1		D4805-041	WEARPLATE ASSEMBLY
34			1		D4805-045	WEARPLATE ASSEMBLY
35			1	1	D2681-1	PIED WEARPLATE
36			1	1	D2681-3	AFT WEARPLATE
80	60	60			AL37-1032-130 or AK37-1032-130 or AK34-1032-130 or AEL3-1032-130	INSERT
61	50	50	2	2	AK34A	BOLT
62	2	2	2	2	AK3-5A	BOLT
63			8	8	AK4-45A	BOLT
64	50	50			NA5114003032R	WASHER (AN800C10L)
65	2	2	2	2	NA5114003032J	WASHER (AN800C10L)
66			8	8	MS21042-4	NUT (OR MS21042-4)

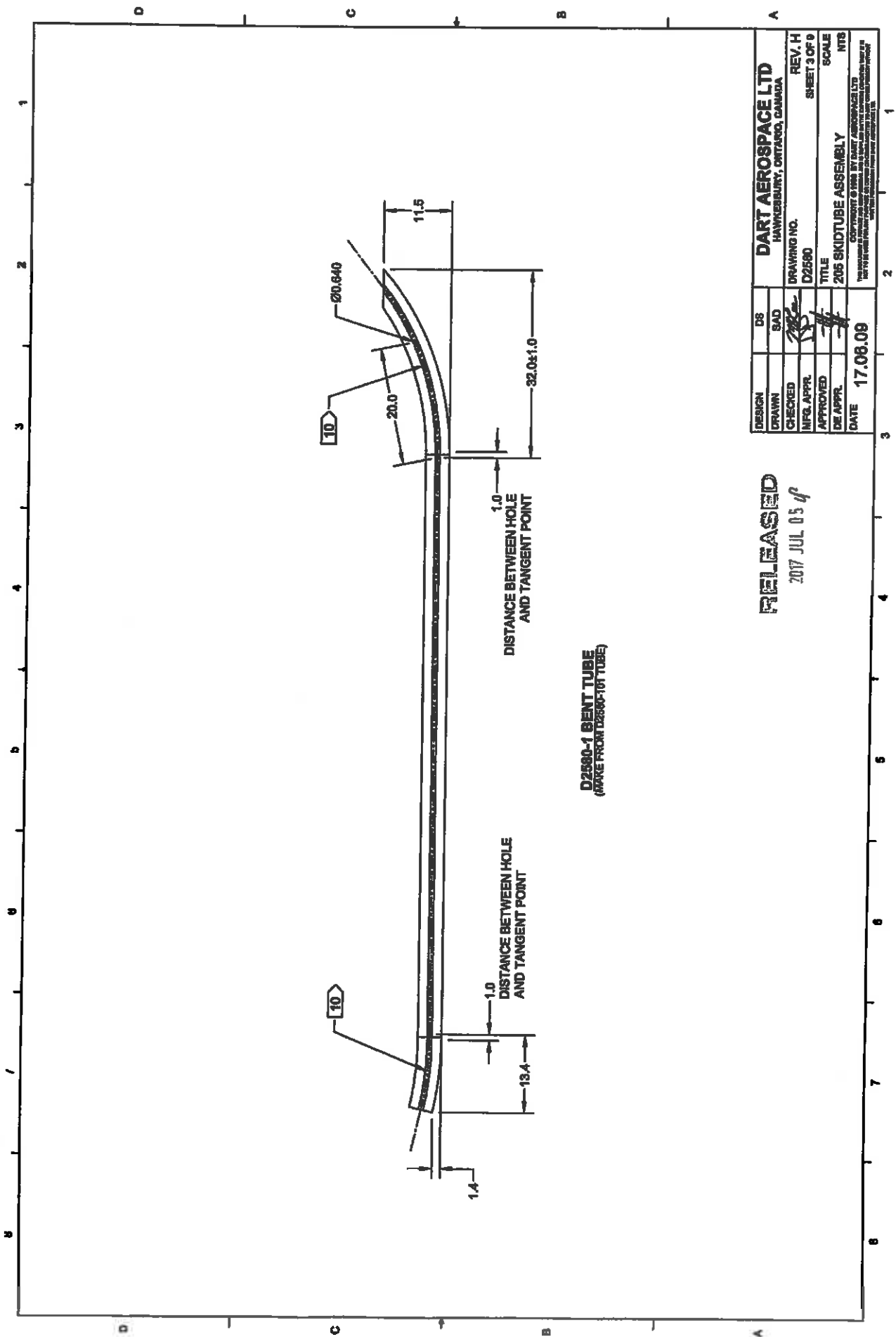
GENERAL NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: CHEMICAL CONVERSION PER DART Q81 005 4.1 PRIOR TO INSERTING D2688 WEB
POWDER COAT (-041/-047/-049) GLOSS WHITE (REF 4.3.5.1) PER DART Q81 005 4.3
BLACK ANTI-SKID PAINT AS INDICATED PER DART Q81 005 4.4.
- 3) TOLERANCES ARE PER DART Q81 018 UNLESS OTHERWISE NOTED.
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED.
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX.
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: D2680-041 = 33.7 lbs
D2680-045 = 33.7 lbs
D2680-047 = 45.1 lbs
D2680-049 = 32.0 lbs
- 8) WELDING PER DART Q81 004.
- 9) INSERT D2688 WEB TO LOCATION SHOWN OFF AFT END OF SKIDTUBE AND BOND WEB INTO
OUTER TUBE WITH NON-STRUCTURAL SIKAFLEX-241 ADHESIVE PER DART Q81 016 BEFORE
BENDING. ENSURE HOLES LINE-UP.
- 10) BEND AS A SMOOTH RADIUS STARTING WITH A MAXIMUM CENTERLINE RADIUS OF 60 AND
ALLOWABLE IN THE BENT PORTION OF THE TUBE.
- 11) USE DART DRILL TEMPLATE DTR817 & DTR807 ONLY FOR D2680-041/-045 TO LOCATE AND DRILL
20.287 HOLES FOR WEARSHOE INSERTS. INSTALL AL37-1032-130 PER SECTIONS B-9 AND F-6 (80
PLACES) AFTER FINISH. INSTALL ANSC4A BOLTS AND NA5114003032R WASHERS WITH
SIKAFLEX-241-251.
- 12) INSERT D2684-1 PLUG ON D2684-3 O-RING IN HOLES MARKED 'P' (BOTH SIDES OF TUBE) AFTER
FINISH (16 PLACES FOR D2680-041/-045 AND 8 PLACES FOR D2680-047/-049)
- 13) IT IS ACCEPTABLE TO GRIND A RELIEF IN THE D2686 AFT CAP TO PREVENT INTERFERENCE WITH
THE SPACER AT THIS LOCATION

H	SHEET: PL DELETE D2686-1/-04-13 GASKETS, WEIGHTS UPDATED ACCORDINGLY. SHEETS 2 & 4 PICTORIAL UPDATE FOR REMOVAL OF GASKETS	SAD	17.06.08
G	ADDED -046, -047 WEIGHT UPDATED PER D81 8808	ALS	14.04.09
F	INCORPORATE DED D2680-5-1 PER PART12318	DC	13.06.20
E	ADD D2680-047 (2N CA-7) AND D2680-7 (2N 93-01) INCLUDED DED D2680-0-1; REFORMATTED DRAWING TO CURRENT STANDARD; DTR817 & DTR807 WAS TD2677-505 (2N CA-1)	RF	11.06.21
D	CHANGE TO 83 WEARSHOES AND GASKETS,	PH	07.04.06
C	INCLUDE DED 9124/9115	CP	06.08.26
B	REDRAWN, INCLUDED DED 9004/ 0007	DS	06.12.02
A	AS MANUFACTURED	DS	06.08.16
REV.	NEW ISSUE	BY	DATE
DESIGN	DS	DESCRIPTION	
DRAWN	SAD	DART AEROSPACE LTD	
CHECKED	REV. H	HAWESBURT, ONTARIO, CANADA	
MTG. APPR.	D2680	DRAWING NO.	
APPROVED	TITLE	SHEET 1 OF 9	
DE APPR.	205 SKIDTUBE ASSEMBLY	SCALE	
DATE	17.06.09	NTS	

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2017 JUL 05
2017-05-05

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(19-09-27)

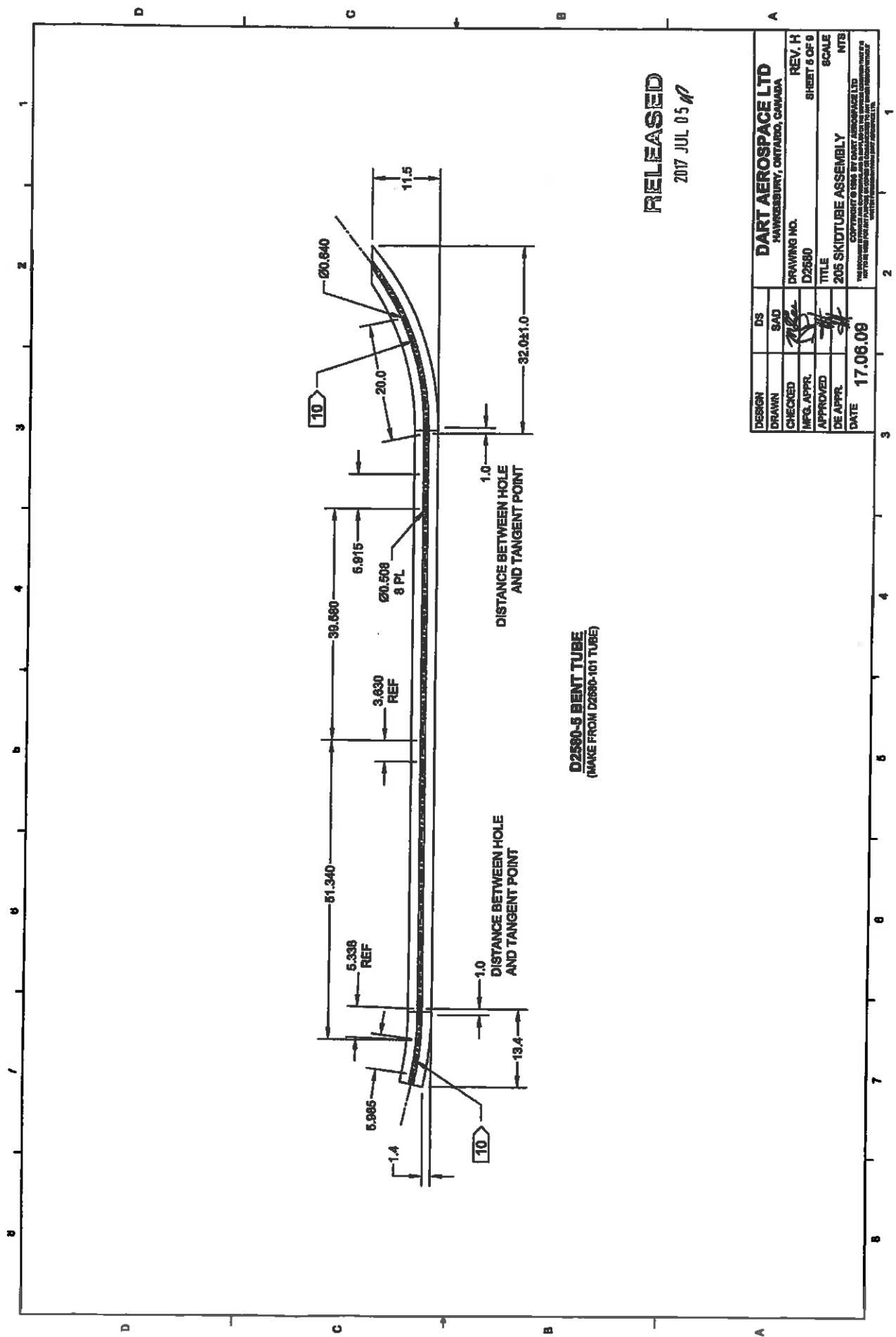


D2580-1 BENT TUBE
(MAKE FROM D2580-101 TUBE)

RELEASED
2017 JUL 05 4p

DESIGN	D8	DART AEROSPACE LTD
DRAWN	SAD	HAWKESBURY, ONTARIO, CANADA
CHECKED	2002	DRAWING NO. D2580
INFL. APPR.	13	REV. H SHEET 3 OF 9
APPROVED	13	TITLE 205 SKIDTUBE ASSEMBLY
DE APPR.	13	SCALE NTS
DATE	17.08.09	NTS

CONTRACT NO. 205 SKIDTUBE ASSEMBLY
THIS DRAWING IS A PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PURPOSES SPECIFIED IN THE CONTRACT ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.

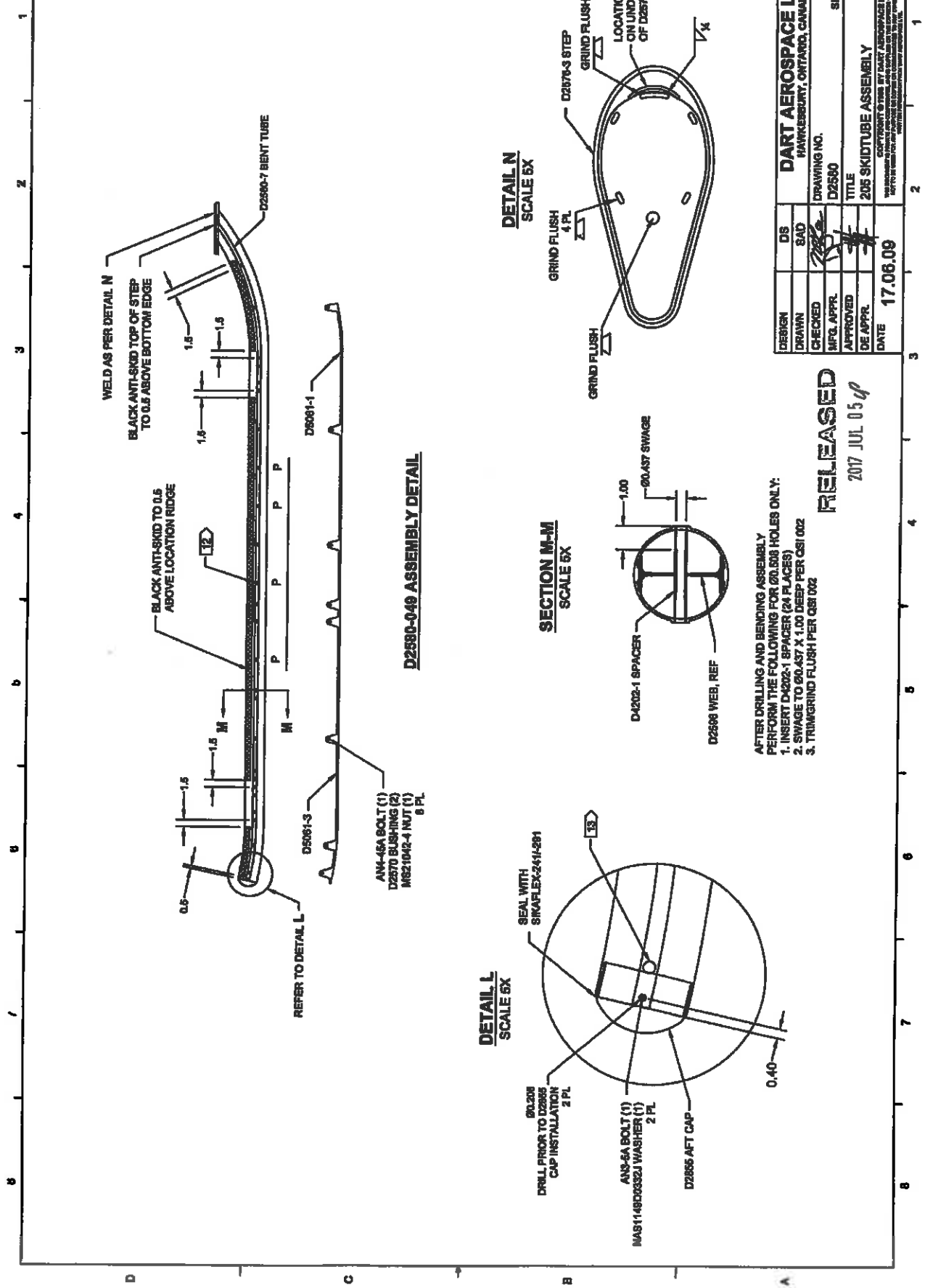


D2580-5 BENT TUBE
(MAKE FROM D2580-101 TUBE)

RELEASED
2017 JUL 05

DESIGN	DS	DART AEROSPACE LTD
DRAWN	SAD	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>[Signature]</i>	DRAWING NO. D2580
MFG. APPR.	<i>[Signature]</i>	REV. H SHEET 8 OF 8
APPROVED	<i>[Signature]</i>	TITLE 205 SKIDTUBE ASSEMBLY
DE APPR.	<i>[Signature]</i>	SCALE NTS
DATE	17.06.09	DATE

CONSENT AEROSPACE LTD
1000 SHEPPARD AVENUE EAST, SUITE 100, SCARBOROUGH, ONTARIO M1S 1T5
TEL: (416) 291-1111 FAX: (416) 291-1112

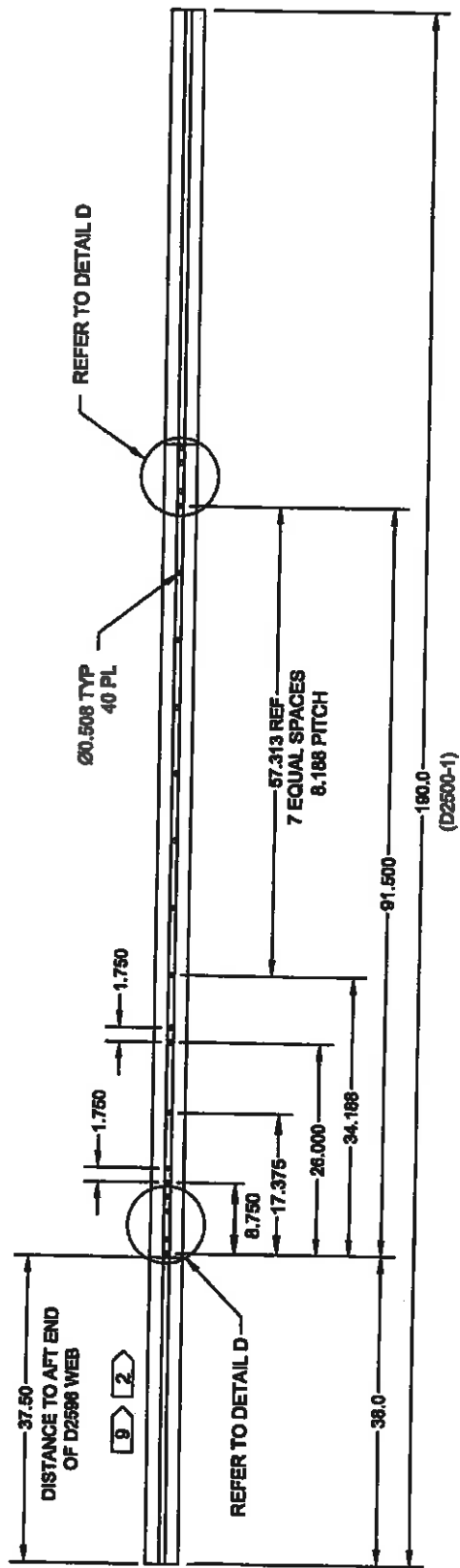


AFTER DRILLING AND BENDING ASSEMBLY
PERFORM THE FOLLOWING FOR Ø0.508 HOLES ONLY:
1. INSERT D4202-1 SPACER (24 PLACES)
2. SWAGE TO Ø0.437 X 1.00 DEEP PER CSI 002
3. TRIM GRIND FLUSH PER CSI 002

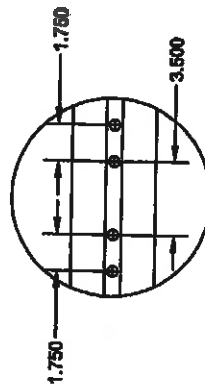
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2017 JUL 05 q

DESIGN	DS	DART AEROSPACE LTD	REV. H
DRAWN	SAD	HAWKSBURY, ONTARIO, CANADA	SHEET 7 OF 9
CHECKED		DRAWING NO. D2580	SCALE
MFG. APPR.		TITLE	205 SKIDTUBE ASSEMBLY
APPROVED		DATE	17.06.09
DE APPR.			NTS

COMPANY OF DART AEROSPACE LTD
HAWKSBURY, ONTARIO, CANADA



D2580-101 TUBE



DETAIL D
SCALE 5X

RELEASED
2017 JUL 05

DESIGN	D6	DART AEROSPACE LTD
DRAWN	SAD	MARKHAM, ONTARIO, CANADA
CHECKED	MSL	DRAWING NO.
MFG. APPR.		D2580
APPROVED		REV. H
DE APPR.		SHEET 9 OF 8
DATE	17.06.09	TITLE
		206 SKIDTUBE ASSEMBLY
		SCALE
		NTS

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Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE



NCR No. _____

Route update only ☐

Job: _____ Part No. _____		DISPOSITION Rework ☐ ☐ ☐ Scrap ☐ ☐ ☐ Use-as-is ☐ ☐ ☐		DEPARTMENT/PROCESS Skid-tube Machining Large Fab ☐ ☐ ☐ Cross tube Small Fab Finishing ☐ ☐ ☐ Eng. (Non-AW) Prod. Eng. Coord. Rec/Store/Packaging ☐ ☐ ☐ Engineering Water Jet Supplier Quality ☐ ☐ ☐		Date: _____ Sequence #: _____ QTY Affected: _____		MRB (QS1042)	
Description Work Order Deviation				Disposition					
Root Cause Operator ☐ ☐ ☐ Manufacturing Process ☐ ☐ ☐ Equip/Tooling ☐ ☐ ☐ Handling/Preservation ☐ ☐ ☐ Material ☐ ☐ ☐ Product Improvement ☐ ☐ ☐ Process Improvement ☐ ☐ ☐ Human Factors ☐ ☐ ☐				FAULT CATEGORY Contamination ☐ ☐ ☐ Misaligned/off center BOM/Route ☐ ☐ ☐ Broken/Damage/Defect ☐ ☐ ☐ Incomplete/Unclear Instructions ☐ ☐ ☐ Drill Holes ☐ ☐ ☐ Fit/Function ☐ ☐ ☐ Pressure/Forced ☐ ☐ ☐ Bending ☐ ☐ ☐ Crushing ☐ ☐ ☐ Cracks ☐ ☐ ☐ Crimp/Kink/Ripple/Wave/Twist ☐ ☐ ☐ Marks/Chatter ☐ ☐ ☐ Mislabeled ☐ ☐ ☐ Other/Details: _____					
								Completed By Lead hand / Supervisor QC / QA Coordinator	